

TEMPLATE MATCHING ON INTERACTIVE SURFACE

Abstract of the Disclosure

A patterned object that is placed on or adjacent to a display surface of an interactive display is detected by matching an image produced using infrared light reflected from the patterned object with one of a set of templates associated with the patterned object. The templates are created for each of a plurality of incremental rotations of the patterned object on a display surface. To implement the comparison, a sum of template data value corresponding to the intensities of the reflected light is calculated for the image of the patterned object and for each of the templates. These sums are compared to determine a rotated template that matches the patterned object within a predefined threshold, thus determining that the patterned object has been placed on or near the display surface.